

H 33 574

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Abstract:

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500 A 12 > Process for the production of a base lacquer/clear lacquer two-coat lacquer and/or a transparent sealing coat on the outer finishing coat of a lacquered surface of a substrate by application of a transparent coating agent cured by radical polymerisation and curing by the action of high-energy radiation, a transparent coating agent being used, of which the resin solid consists of:

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- I. 70 to 100 wt.% radically polymerisable oligo- and/or prepolymers having olefinic groups
- II. 0 to 30 wt.% radically polymerisable reactive thinners having olefinic groups, with calculated molar masses of less than 500 each,

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wherein 75 to 100 wt.% of component I is an aliphatic urethane (meth)acrylate with an average (meth)acryloyl functionality of 3 to 4.5 per molecule and a calculated molecular mass of at least 826, which can be obtained by reacting acyclic aliphatic diisocyanates with 8 C atoms and/or polyisocyanates derived from such diisocyanates with low-molecular aliphatic compounds, which have one or more hydroxyl groups and at the same time one or

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more (meth)acryloyl groups.